

CLAIMS

What is claimed is:

1. A method of providing power to a computer peripheral device, comprising converting mechanical energy generated by motion of said device into electrical energy; and powering said device using said electrical energy.
2. The method of claim 1, further comprising generating said motion by human energy.
3. The method of claim 1, wherein said input device comprises a mouse.
4. The method of claim 3, wherein said mouse comprises a ball coupled to a shaft, further comprising:
coupling a power generator to said shaft; and
rotating said shaft using said mechanical energy.
5. The method of claim 4, wherein said power generator comprises a dynamo.
6. The method of claim 1, wherein said input device comprises a keyboard.
7. The method of claim 6, wherein said keyboard comprises at least one key coupled to a shaft, further comprising:
coupling a coil to said shaft; and
causing said coil to compress when said key is in motion.
8. The method of claim 6, wherein said keyboard comprises at least one key, further comprising coupling a coil to a group of keys such that said coil is compressed when one of said keys is in motion.

9. The method of claim 1, further comprising storing said electrical energy in an energy storing device.

5 10. The method of claim 9, further comprising storing said electrical energy in a rechargeable battery.

11. The method of claim 9, wherein said electrical energy comprises alternating current, said storing comprises:

10 converting said alternating current into direct current; and
charging said energy storing device.

12. A self-powered peripheral device, comprising a power generator for converting mechanical energy generated by motion of said device into electrical energy.

13. The device of claim 12, wherein said input device comprises a mouse.

14. The device of claim 13, said power generator comprises:
a ball;
a wheel proximate said ball;
a shaft coupled to said wheel; and
a dynamo coupled to said shaft.

15. The device of claim 12, wherein said input device comprises a keyboard.

16. The device of claim 15, wherein said power generator comprises:
a shaft coupled to a key; and
a coil coupled to said shaft.

17. The device of claim 15, wherein said power generator comprises:

at least one key;
a shaft coupled to each of said key;
a plate coupled to a plurality of said keys; and
a coil, wherein said at least one key causes motion to said plate and said
shaft to compress said coil.

18. The device of claim 15, further comprising:
a rectifier circuit coupled to said power generator;
a charging circuit coupled to said rectifier circuit; and
an energy storing device coupled to said charging circuit.

19. The device of claim 18, wherein said energy storing device comprises a
rechargeable battery.

20. A computer system, comprising:
a computer; and
a self-powered peripheral device coupled to said computer, said device
comprising a power generator for converting mechanical energy caused by motion
of said device into electrical energy.

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